



Title of Change:	Datasheet update PYTHON 480	
Effective date:	15 May 2018	
Contact information:	Contact your local ON Semiconductor Sales Office or <danny.scheffer@onsemi.com>	
Type of notification:	This Product Bulletin is for notification purposes only. ON Semiconductor will proceed with implementation of this change upon publication of this Product Bulletin.	
Change category:	<input type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input checked="" type="checkbox"/> Other: <u>Datasheet update</u>	
Change Sub-Category(s):	<input type="checkbox"/> Manufacturing Site Change/Addition <input type="checkbox"/> Material Change <input checked="" type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Product specific change <input type="checkbox"/> Shipping/Packaging/Marking <input type="checkbox"/> Other: _____	
Sites Affected:	ON Semiconductor Sites: Mechelen, Belgium	External Foundry/Subcon Sites: None
Description and Purpose:		
<p>This document summarizes the recent changes to the datasheet of the PYTHON 480 as released in January 2018 (Rev. 2). The updated revision per this Product Bulletin is Rev. 3.</p> <p>The list below summarises the changes made to this datasheet when compared to the prior version of this document. No change has been made to the sensor design, assembly, or final test procedures of these products as part of this datasheet revision. The datasheet has been revised and updated where needed to improve the accuracy of the specifications and/or settings listed so as to provide optimal performance.</p> <p>Datasheets of the affected PYTHON devices can be downloaded from the following websites:</p> <p>PYTHON 480</p> <p>http://www.onsemi.com/pub/Collateral/NOIP1SN0480A-D.PDF</p>		
SUMMARY OF CHANGES		
<p>Page 4: Corrected CMOS power consumption values</p> <p>Page 4: Corrected typo in LVDS interface: "PLL not used" for 340MHz</p> <p>Page 5: Corrected typo in table 5: "58MHz -> 68MHz"</p> <p>Page 17-21: Move register uploads to the Image Sensor Portal</p> <p>Page 30: Change picture to resemble subsampled readout more accurately</p> <p>Page 34: Corrected typo: 2st -> 2nd</p> <p>Page 63: Glass material and tolerances added</p>		
TIME LINE FOR CONVERSION:		
This PB is effective immediately. The revision released is Rev. 3 April 2018.		
FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:		
If purchasing ON Semiconductor image sensors from a distributor, please contact your distributor. If buying directly from ON Semiconductor, contact your local ON Semiconductor sales office or a customer service representative.		



List of Affected Standard Parts:

Web Part Number (WPN)	Orderable Part Number (OPN)	Description	MPQ
PYTHON480	NOIP1SN0480A-STI	PYTHON 480 LVDS/CMOS, Monochrome, CRA 1.6	100
PYTHON480	NOIP1SE0480A-STI	PYTHON 480 LVDS/CMOS, Bayer Color, CRA 1.65	100
PYTHON480	NOIP1SP0480A-STI	PYTHON 480 LVDS/CMOS, Monochrome, CRA 23.59	100
PYTHON480	NOIP1SF0480A-STI	PYTHON 480 LVDS/CMOS, Bayer Color, CRA 23.59	100
PYTHON480	NOIP1SN0480A-STI1	PYTHON 480 LVDS/CMOS, Monochrome, CRA 1.6	10
PYTHON480	NOIP1SE0480A-STI1	PYTHON 480 LVDS/CMOS, Bayer Color, CRA 1.65	10
PYTHON480	NOIP1SP0480A-STI1	PYTHON 480 LVDS/CMOS, Monochrome, CRA 23.59	10
PYTHON480	NOIP1SF0480A-STI1	PYTHON 480 LVDS/CMOS, Bayer Color, CRA 23.59	10



Appendix A: Changed Products

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Product	Customer Part Number
NOIP1SE0480A-STI	
NOIP1SE0480A-STI1	
NOIP1SN0480A-STI	
NOIP1SN0480A-STI1	